



## PATENT ABSTRACTS OF JAPAN

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(21) Application number: **02036266**(22) Date of filing: **19.02.1990**(71) Applicant: **TAKAOKA ELECTRIC MFG CO LTD**(72) Inventor: **MATOKA MICHIO**(54) **TRANS-MOUNTING DEVICE**

## (57) Abstract:

**PURPOSE:** To constitute a device that has a small installation area and also is inexpensive through the integration of dispersal functions, by arranging so that as for lifting functions, a transported matter and an empty pallet may be lifted up simultaneously, and as for transferring functions, the trans-mounting of the transported matter and the movement of the empty pallet may be conducted simultaneously.

**CONSTITUTION:** When compressed air within the 1st drive device 12 is discharged, a lifter 11 descends, and a hook solenoid 111 makes a hook 110 engageable to an empty pallet 22b. Hereupon, a transfer arm 10 at the upper part of the lifter 11 descends following the lifter 11, and a transported matter 23 upper surface is held by means of a holding device 100. Afterwards, when compressed air is supplied to the drive device 12, the lifter 11 ascends, and the empty pallet 22b engaged to the hook 110 ascends, and also the arm 10, in linkage with the lifter 11, ascends, and the transported matter 23 is taken out of a pallet 22a by means of a holding device 100. Next, the empty pallet 22b

is delivered to the lower part of an empty pallet 22c lifted up by means of the lifter 11, by means of the 2nd drive device 13. At this time, the empty pallet 22b is stopped by means of a stopper 15. At the same time, as a trans-mounting lever 10 is rotated, the movement of the transported matter is conducted.

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